1. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers.

Run Query: Find all the tracks that have a length of 5,000,000 milliseconds or more.

```
1  select * from tracks where milliseconds >= 5000000
```

Run

Reset

```
+---------+-------------------------+---------+-------------+---------+----------+--------------+------------+-----------+
| TrackId | Name                    | AlbumId | MediaTypeId | GenreId | Composer | Milliseconds |      Bytes | UnitPrice |
+---------+-------------------------+---------+-------------+---------+----------+--------------+------------+-----------+
|    2820 | Occupation / Precipice  |     227 |           3 |      19 |     None |      5286953 | 1054423946 |      1.99 |
|    3224 | Through a Looking Glass |     229 |           3 |      21 |     None |      5088838 | 1059546140 |      1.99 |
+---------+-------------------------+---------+-------------+---------+----------+--------------+------------+-----------+
```

How many tracks are returned?

2

✓ **Correct**

2. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers.

Run Query: Find all the invoices whose total is between $5 and $15 dollars.

```
1  select * from invoices where total between 5 and 15
```

Run

Reset

```
+-----------+------------+---------------------+--------------------------+-------------+--------------+----------------+--------------------+----
| InvoiceId | CustomerId | InvoiceDate         | BillingAddress           | BillingCity | BillingState | BillingCountry | BillingPostalCode | Tot
+-----------+------------+---------------------+--------------------------+-------------+--------------+----------------+--------------------+----
|         3 |          8 | 2009-01-03 00:00:00 | Grétrystraat 63          | Brussels    |         None | Belgium        | 1000               |  5.
|         4 |         14 | 2009-01-06 00:00:00 | 8210 111 ST NW           | Edmonton    |           AB | Canada         | T6G 2C7            |  8.
|         5 |         23 | 2009-01-11 00:00:00 | 69 Salem Street          | Boston      |           MA | USA            | 2113               | 13.
|        10 |         46 | 2009-02-03 00:00:00 | 3 Chatham Street         | Dublin      |       Dublin | Ireland        | None               |  5.
|        11 |         52 | 2009-02-06 00:00:00 | 202 Hoxton Street        | London      |         None | United Kingdom | N1 5LH             |  8.
|        12 |          2 | 2009-02-11 00:00:00 | Theodor-Heuss-Straße 34  | Stuttgart   |         None | Germany        | 70174              | 13.
|        17 |         25 | 2009-03-06 00:00:00 | 319 N. Frances Street    | Madison     |           WI | USA            | 53703              |  5.
|        18 |         31 | 2009-03-09 00:00:00 | 194A Chain Lake Drive    | Halifax     |           NS | Canada         | B3S 1C5            |  8.
|        19 |         40 | 2009-03-14 00:00:00 | 8, Rue Hanovre           | Paris       |         None | France         | 75002              | 13.
|        24 |          4 | 2009-04-06 00:00:00 | Ullevålsveien 14         | Oslo        |         None | Norway         | 0171               |  5.
+-----------+------------+---------------------+--------------------------+-------------+--------------+----------------+--------------------+----
(Output limit exceeded, 10 of 168 total rows shown)
```

While the query in this example is limited to 10 records, running the query correctly will indicate how many total records there are - enter that number below.

168

✓ **Correct**

3. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers.

Run Query: Find all the customers from the following States: RJ, DF, AB, BC, CA, WA, NY.

```
1  select * from customers where state in ('RJ', 'DF', 'AB', 'BC', 'CA', 'WA', 'NY')
```

Run

Reset

CustomerId	FirstName	LastName	Company	Address	City	State	Country	PostalCode	Phone
12	Roberto	Almeida	Riotur	Praça Pio X, 119	Rio de Janeiro	RJ	Brazil	20040-020	+55 (2
13	Fernanda	Ramos	None	Qe 7 Bloco G	Brasília	DF	Brazil	71020-677	+55 (6
14	Mark	Philips	Telus	8210 111 ST NW	Edmonton	AB	Canada	T6G 2C7	+1 (78
15	Jennifer	Peterson	Rogers Canada	700 W Pender Street	Vancouver	BC	Canada	V6C 1G8	+1 (60
16	Frank	Harris	Google Inc.	1600 Amphitheatre Parkway	Mountain View	CA	USA	94043-1351	+1 (65
17	Jack	Smith	Microsoft Corporation	1 Microsoft Way	Redmond	WA	USA	98052-8300	+1 (42
18	Michelle	Brooks	None	627 Broadway	New York	NY	USA	10012-2612	+1 (21
19	Tim	Goyer	Apple Inc.	1 Infinite Loop	Cupertino	CA	USA	95014	+1 (40
20	Dan	Miller	None	541 Del Medio Avenue	Mountain View	CA	USA	94040-111	+1 (65

What company does Jack Smith work for?

- Apple Inc.
- Rogers Canada
- Microsoft Corp
- Google Inc.

✓ **Correct**

4.All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers.

Run Query: Find all the invoices for customer 56 and 58 where the total was between $1.00 and $5.00.

```
1  select * from invoices where customerid in (56,58) and total between 1 and 5
```

Run

Reset

InvoiceId	CustomerId	InvoiceDate	BillingAddress	BillingCity	BillingState	BillingCountry	BillingPostalCode	Total
119	56	2010-06-12 00:00:00	307 Macacha Güemes	Buenos Aires	None	Argentina	1106	1.98
142	56	2010-09-14 00:00:00	307 Macacha Güemes	Buenos Aires	None	Argentina	1106	3.96
337	56	2013-01-28 00:00:00	307 Macacha Güemes	Buenos Aires	None	Argentina	1106	1.98
120	58	2010-06-12 00:00:00	12,Community Centre	Delhi	None	India	110017	1.98
315	58	2012-10-27 00:00:00	12,Community Centre	Delhi	None	India	110017	1.98
338	58	2013-01-29 00:00:00	12,Community Centre	Delhi	None	India	110017	3.96
412	58	2013-12-22 00:00:00	12,Community Centre	Delhi	None	India	110017	1.99

What was the invoice date for invoice ID 315?

- 1-29-2013
- 6-12-2010
- 10-27-2012
- 12-22-2013

✓ **Correct**

5.All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and

column names to write accurate queries and get the appropriate answers.

Run Query: Find all the tracks whose name starts with 'All'.

```
1  select * from tracks where name like 'All%'
```

Run

Reset

```
+---------+--------------------------------------+---------+-------------+---------+-----------------------------------------------+-------
| TrackId | Name                                 | AlbumId | MediaTypeId | GenreId | Composer                                      | Millis
+---------+--------------------------------------+---------+-------------+---------+-----------------------------------------------+-------
|      38 | All I Really Want                    |       6 |           1 |       1 | Alanis Morissette & Glenn Ballard             |
|     134 | All For You                          |      14 |           1 |       3 | None                                          |
|     385 | All Star                             |      33 |           1 |       7 | Nando Reis                                    |
|    1009 | All My Life                          |      81 |           1 |       4 | Foo Fighters                                  |
|    1608 | All My Love                          |     130 |           1 |       1 | Robert Plant & John Paul Jones                |
|    1892 | All Within My Hands                  |     155 |           1 |       3 | Bob Rock/James Hetfield/Kirk Hammett/Lars Ulrich |
|    2192 | All or None                          |     180 |           1 |       1 | Stone Gossard                                 |
|    2274 | All Dead, All Dead                   |     186 |           1 |       1 | May                                           |
|    2888 | All the Best Cowboys Have Daddy Issues |     230 |           3 |      19 | None                                          |      2
|    2969 | All Because Of You                   |     235 |           1 |       1 | Adam Clayton, Bono, Larry Mullen & The Edge   |
+---------+--------------------------------------+---------+-------------+---------+-----------------------------------------------+-------
(Output limit exceeded, 10 of 15 total rows shown)
```

While only 10 records are shown, the query will indicate how many total records there are for this query - enter that number below.

15

✓ **Correct**

6. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers.

Run Query: Find all the customer emails that start with "J" and are from gmail.com.

```
1  select * from customers where email like 'J%gmail.com'
```

Run

Reset

```
+------------+-----------+----------+---------+-------------+----------------+-------+---------+------------+--------------------+------+--------
| CustomerId | FirstName | LastName | Company | Address     | City           | State | Country | PostalCode | Phone              |  Fax | Email
+------------+-----------+----------+---------+-------------+----------------+-------+---------+------------+--------------------+------+--------
|         28 | Julia     | Barnett  |    None | 302 S 700 E | Salt Lake City | UT    | USA     | 84102      | +1 (801) 531-7272 | None | jubarne
+------------+-----------+----------+---------+-------------+----------------+-------+---------+------------+--------------------+------+--------
```

Enter the one email address returned (you will likely need to scroll to the right) below.

jubarnett@gmail.com

✓ **Correct**

7. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers.

Run Query: Find all the invoices from the billing city Brasília, Edmonton, and Vancouver and sort in descending order by invoice ID.

```
1  select invoiceid, total from invoices
2  where billingcity in ('Brasília','Edmonton','Vancouver')
3  order by invoiceid desc
```

Run

Reset

```
+-----------+-------+
| InvoiceId | Total |
+-----------+-------+
|       362 | 13.86 |
|       351 |  1.98 |
|       328 |  0.99 |
|       319 |  8.91 |
|       276 |  5.94 |
|       264 | 13.86 |
|       254 |  3.96 |
|       253 |  1.98 |
|       231 |  1.98 |
|       230 |  0.99 |
+-----------+-------+
(Output limit exceeded, 10 of 21 total rows shown)
```

What is the total invoice amount of the first record returned? Enter the number below without a $ sign. *Remember to sort in descending order to get the correct answer.*

13.86

✓ **Correct**

8. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers.

Run Query: Show the number of orders placed by each customer (hint: this is found in the invoices table) and sort the result by the number of orders in descending order.

```
1  select customerid, count(*) from invoices
2  group by customerid order by count(*) desc
```

Run

Reset

```
+------------+----------+
| CustomerId | count(*) |
+------------+----------+
|          1 |        7 |
|          2 |        7 |
|          3 |        7 |
|          4 |        7 |
|          5 |        7 |
|          6 |        7 |
|          7 |        7 |
|          8 |        7 |
|          9 |        7 |
|         10 |        7 |
+------------+----------+
(Output limit exceeded, 10 of 59 total rows shown)
```

What is the number of items placed for the 8th person on this list? Enter that number below.

7

✓ **Correct**

9. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers.

Run Query: Find the albums with 12 or more tracks.

```
1  select albumid, count(*) from tracks
2  group by albumid having count(*) >= 12
3  order by albumid
```

Run

Reset

```
+---------+----------+
| AlbumId | count(*) |
+---------+----------+
|       5 |       15 |
|       6 |       13 |
|       7 |       12 |
|       8 |       14 |
|      10 |       14 |
|      11 |       12 |
|      12 |       12 |
|      14 |       13 |
|      18 |       17 |
|      21 |       18 |
+---------+----------+
(Output limit exceeded, 10 of 158 total rows shown)
```

While the number of records returned is limited to 10, the query, if run correctly, will indicate how many total records there are. Enter that number below.

158

✓ **Correct**